

REMARKS

Reconsideration and allowance in view of the foregoing amendments and the following remarks is respectfully requested.

Claims 1-16 are cancelled and new Claims 17-35 are pending in the application.

Claim Objections

Claim 16 is objected to because of its informalities. This objection is moot now since Claim 16 is cancelled.

Claim Rejections – 35 USC § 102

Claims 1-10 and 12-16 are rejected under 35 USC §102(b) as being anticipated by Gilbertet et al, (US Patent No. 4,551,746). In response, Claims 1-16 are cancelled and new Claims 17-35 are believed to be patentable over Gilbertet et al, for the reasons discussed below.

The invention as defined in independent Claims 17 and 29 provides for the microwave package, and now requires that:-

- a lower wall defining the base of said package is configured to be mounted on an exterior circuit board, the base having an interior layer with connection points and an exterior layer with connection points,
- side metal walls are disposed on the lower wall to form an interior volume and a top metal plate is disposed on the side walls, thereby forming a Faraday cage around the interior volume,

- a microwave component is disposed on the interior layer of the base inside the Faraday cage, and said microwave component has inputs/outputs electrically connected to the connection points of the interior layer;
- said base has a plurality of singal metallized holes passing therethrough for conveying a microwave signal between the microwave component and the exterior circuit board, and a plurality of earth (ground) metallized holes passing therethrough for surrounding each of the singal metallized holes so as to form a coaxial structure.

Thus, the invention as defined in new independent Claims 17 and 29 now recites specific limitations of the Faraday cage for protecting the microwave component and the base for having singal metallized holes passing therethrough for conveying a microwave signal between the microwave component and the exterior circuit board, and the earth metallized holes passing therethrough for surrounding the singal metallized hole so as to form a coaxial structure.

According to the claimed invention, as shown in Fig. 1, the metal side walls (4) and the metal top plate (5) forms a Faraday cage for protecting the microwave signals conveyed inside the package against the external electromagnetic disturbances. As shown in Figs 2 and 3, the microwave signals are conveyed to the external circuit board (6) by means of the coaxial structure through the singal metallized hole (7a) surrounded by the earth (ground) metallized holes (21). Such an arrangement also protects the

microwave signals conveyed inside the single metallized hole against the external electromagnetic disturbances. Accordingly, the microwave signals are not only shielded but also matched and thus are electromagnetically safe on all their length conveyed from the microwave component to the external circuit board.

Applicants respectfully submit that the package of Gilbert et al, (US Patent No. 4,551,746) is related to a logic component package, and its there is no Faraday cage for protecting the logic component 51, since all elements 42, 46, 52 surrounding the logic component 51 are made of dielectric material. Therefore, the logic component 51 in the package of Gilbert et al, is not protected by Faraday cage against the external electromagnetic disturbances. Furthermore, the package of Gilbert et al, fails to disclose any earth (ground) metallized holes which surround the single metallized hole as required by the claimed invention. Accordingly, the invention as defined in new independent Claims 17 and 29 is neither anticipated by nor obvious over the in the package of Gilbert et al, and is believed in the condition for allowance. Dependent claims 18-28 and 30-35 are also believed in the condition for allowance for the above reasons advanced for independent Claims 17 and 29.

All objections and rejections having been addressed, it is respectfully submitted that the present application should be in condition for allowance and a Notice to that effect is earnestly solicited. Early issuance of a Notice of Allowance is courteously solicited.

The Examiner is invited to telephone the undersigned, Applicant's attorney of record, to facilitate advancement of the present application.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 07-1337 and please credit any excess fees to such deposit account.

Respectfully submitted,

LOWE HAUPTMAN HAM & BERNER, LLP

A handwritten signature in black ink that reads "Kenneth M. Berner". The signature is written in a cursive, flowing style.

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Date: July 18, 2008
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